

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants:	Beachy et al.	Art Unit:	Not Yet Assigned
Parent Serial No.	09/934,035	Examiner:	Not Yet Assigned
Parent Filing Date	August 21, 2001		
Serial No.:	Not Yet Assigned		
Filed:	October 1, 2003		
Title:	MODULATION OF HEDGEHOG-MEDIATED SIGNALING PATHWAY		

**Mail Stop PATENT APPLICATION**

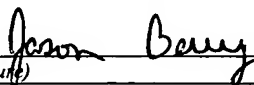
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 § CFR 1.97, Applicants bring to the Examiner's attention the related parent patent application, U.S. Serial No. 09/934,035, filed August 21, 2001, which is relied upon for an earlier filing date under 35 USC § 120. For the convenience of the Examiner, copies of the PTO Forms 892 and 1449 are enclosed.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

<b>CERTIFICATION UNDER 37 CFR §1.10</b>	
"EXPRESS MAIL" Mailing Label Number: <b>EV 318 739 965 US</b>	
Date of Deposit: <b>October 1, 2003</b>	
I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
JASON BERRY	
(Name of Person Mailing Paper)	
	October 1, 2003
(Signature)	(Date)


In re Application of:  
Beachy et al.  
Application No.: Not Yet Assigned  
Filed: October 1, 2003  
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PATENT  
Attorney Docket No.: JHU1510-2

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement, because it is being filed prior to the receipt of a first office action on the merits of the above-captioned application. However, if any fee is required, authorization is hereby given to charge any fees associated with the filings submitted herewith, or credit any overpayment to Deposit Account No. 50-1355. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: October 1, 2003

  
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San Diego, CA 92121-2133

**APPLICANTS COPY**

SUBSTITUTE FORM PTO-1449  
(MODIFIED)

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

(37 CFR 1.98(b))

Sheet 1 of 1

DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
07265/141001

SERIAL NO.  
09/023,249

APPLICANT:  
Beachy et al.

FILING DATE  
2/13/98

GROUP  
1643 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
me	AA 5 8 4 4 0 7 9	12/1/98	Ingham et al.	530	350	
↓	AB 5 7 8 9 5 4 3	8/4/98	Ingham et al.	530	350	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AC							

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

AD	
AE	
AF	
AG	

EXAMINER *me* DATE CONSIDERED 12/14/98

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

Sheet 1 of 1

*Applicant's Copy*

SUBSTITUTE FORM PTO-1449  
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DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

(not previously sent)  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

ATTY. DOCKET NO  
07265/141001

SERIAL NO.  
09/023,249  
09/934,035

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Beach et al.

FILING DATE  
2/13/98

GROUP  
1636

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
AB						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AC							

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

AD	Alexandre <i>et al.</i> , "Transcriptional activation of hedgehog target genes in <i>Drosophila</i> is mediated directly by the Cubitus interruptus protein, a member of the GLI family of zinc finger DNA-binding proteins", <i>Genes &amp; Development</i> , 10:2003-2013, (1996)
AE	Krishnan <i>et al.</i> , "Mediation of Sonic Hedgehog-Induced Expression of COUP-TFII by a Protein Phosphate", <i>SCIENCE</i> , 278:1947-1950 December 12, 1997.
AF	Marigo and Tabin, "Regulation of <i>Patched</i> by Sonic hedgehog in the developing neural tube", <i>Proc. Natl. Acad. Sci. USA</i> , 93:9346-9351 (1996)
AG	Zarkower and Hodgkin, "Molecular Analysis of the <i>C. elegans</i> Sex-Determining Gene <i>tra-1</i> : A Gene Encoding Two Zinc Finger Proteins, <i>CELL</i> 70:237-249 July 24, 1992

EXAMINER *Peng a M. T. Chey* DATE CONSIDERED 12/14/01

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

1

<b>Notic of References Cited</b>	Application/Control No. 09/934,035	Applicant(s)/Patent Under Reexamination BEACHY ET AL.	
	Examiner Terry Mckelvey	Art Unit 1636	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,261,786 B1	07-2001	Marigo et al.	435/7.1
	B	US-6,214,794 B1	04-2001	Beachy et al.	514/12
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Frank Van Leeuwen et al, Letters To Nature, Vol 368, March 1994
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<b>Notice of References Cited</b>		Application No. <b>09/023,249</b>		Applicant(s) <b>Beachy et al.</b>	
		Examiner <b>Terry A. McKelvey</b>		Group Art Unit <b>1636</b>	Page 1 of 1

U.S. PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	NAME		CLASS	SUBCLASS
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T						

NON-PATENT DOCUMENTS	
	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)
U	Zarkower et al, Cell, Volume 70: pages 237-249.
V	Krishnan et al, Science, Vol. 278: pages 1947-1950.
W	Ngo et al, The Protein Folding Problem and Tertiary Structure Prediction, Mertz et al (eds.), Birkhauser, Boston, pages 433 and 492-495.
X	